

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1 | 1136 | (record with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:42 |
| L2 | 224 | (record near1 speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:42 |
| L3 | 42 | (record with determined with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:51 |
| L4 | 24 | (record with segment with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 10:00 |
| L5 | 41 | (record with identified with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 10:34 |
| L6 | 18 | (record with speech with segments) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 10:35 |
| L7 | 58 | ((store save) with speech with segments) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 10:38 |
| L10 | 9 | ((("6272460") or ("4538234") or ("20030171916") or ("4628529") or ("6775629") or ("5471558") or ("4628529") or ("5818928") or ("4277644") or ("6058359")).PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 11:18 |
| S1 | 1 | ("20060053003").PN. | US-PGPUB; USPAT | OR | OFF | 2008/05/30 16:39 |
| S2 | 1 | ("20070192099").PN. | US-PGPUB; USPAT | OR | OFF | 2008/05/30 16:41 |
| S3 | 1 | ("20080046244").PN. | US-PGPUB; USPAT | OR | OFF | 2008/05/30 16:42 |
| S5 | 24 | ((suzuki and tetsu) (takeo and kanamori) (takashi and kawamura)).IN. and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/16 15:49 |
| S6 | 109 | ((frame) same (correlation correlate) same (frequency with (divide division))) | US-PGPUB; USPAT | OR | OFF | 2008/09/16 16:25 |

| | | | | | | |
|-----|-----|---|-----------------|----|-----|------------------|
| S8 | 870 | (frame with correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/16 16:29 |
| S12 | 11 | ((frame with correlation) same (frequency with bands)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/16 16:31 |
| S13 | 176 | (subband with correlation) | US-PGPUB; USPAT | OR | OFF | 2008/09/16 16:41 |
| S14 | 39 | (subband with correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/16 16:48 |
| S15 | 0 | (SBXCOR SBACOR) | US-PGPUB; USPAT | OR | OFF | 2008/09/16 17:18 |
| S16 | 1 | (subband same (autocorrelation auto-correlation correlation) same ((difference subtract) with average)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/16 17:19 |
| S17 | 26 | (subband same (autocorrelation auto-correlation correlation)) same average | US-PGPUB; USPAT | OR | OFF | 2008/09/16 17:20 |
| S18 | 16 | ((subband same (autocorrelation auto-correlation correlation)) same average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/16 17:22 |
| S19 | 14 | ((subband same (autocorrelation auto-correlation correlation)) same mean) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 10:38 |
| S20 | 22 | (maximum same minimum same (subtract difference subtraction) same correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 10:42 |
| S21 | 883 | 704/231.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 11:18 |
| S22 | 12 | (subband near5 correlation) and "704".clas. | USPAT | OR | OFF | 2008/09/17 11:39 |
| S23 | 29 | (subband near5 correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 11:39 |

| | | | | | | |
|-----|-----|--|--------------------|----|-----|---------------------|
| S24 | 18 | ((difference subtract subtraction) same correlation same maximum same minimum) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 11:49 |
| S25 | 0 | 704/233.clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 13:29 |
| S26 | 810 | 704/233.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 13:29 |
| S27 | 199 | 704/233.ccls. and correlation | US-PGPUB; USPAT | OR | OFF | 2008/09/17 13:29 |
| S28 | 6 | (harmonic same correlation same (difference subtract subtraction)) and "704". clas. | USPAT | OR | OFF | 2008/09/17 14:20 |
| S29 | 14 | (harmonic same correlation same (difference subtract subtraction)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/17 14:20 |
| S30 | 1 | (frame same correlation same continuity same (acoustic with feature)) | US-PGPUB; USPAT | OR | OFF | 2008/09/22 16:53 |
| S31 | 2 | (frame same correlate same continuity same (acoustic with feature)) | US-PGPUB; USPAT | OR | OFF | 2008/09/22 16:53 |
| S32 | 98 | (frame same (correlate correlation) same continuity) | US-PGPUB; USPAT | OR | OFF | 2008/09/22 16:55 |
| S33 | 16 | (frame same (correlate correlation) same continuity) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/22 16:56 |
| S34 | 300 | (frame same (correlate correlation) same frequency) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/22 17:05 |
| S35 | 52 | (frames same (correlate correlation) with value) and (frequency adj domain) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/22 17:18 |
| S36 | 15 | (frames same (correlate correlation) with average) and (frequency adj domain) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 09:13 |

| | | | | | | |
|-----|-----|---|--------------------|----|-----|---------------------|
| S37 | 38 | ((frames same (correlate correlation) with average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 09:22 |
| S38 | 261 | ((correlate correlation) with average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 09:33 |
| S39 | 223 | ((correlate correlation) with average) and "704".clas. not S37 | US-PGPUB; USPAT | OR | OFF | 2008/09/23 09:34 |
| S40 | 1 | ("5,226,084").PNL | USPAT; USOCR | OR | OFF | 2008/09/23 10:14 |
| S41 | 352 | ((convert transform) same frequency same domain) and ((correlation correlate) same (subband subband frame)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 11:47 |
| S42 | 218 | ((convert transform) with frequency with domain) and ((correlation correlate) same (subband subband frame)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 11:47 |
| S43 | 126 | ((convert transform) with frequency with domain) and ((correlation correlate) with (subband subband frame)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 11:48 |
| S44 | 19 | ((convert transform) with frequency with domain) and ((correlation correlate) with (subband subband)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 11:50 |
| S45 | 52 | (frequency with domain) and ((correlation correlate) same (subband subband)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 11:54 |
| S46 | 154 | (frequency with domain) and ((correlation correlate) same (bands)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 11:58 |
| S47 | 80 | (frequency with domain) and ((correlation correlate) same (band same pitch) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 12:02 |

| | | | | | | |
|-----|-----|--|--------------------|----|-----|---------------------|
| S48 | 1 | ("5,054,072").PNL | USPAT; USCOR | OR | OFF | 2008/09/23 12:06 |
| S49 | 32 | ((frequency with domain) and ((correlation correlate) same (band) same harmonic) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 12:13 |
| S50 | 89 | ((fourier) and ((correlation correlate)) and (harmonic with structure) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 12:17 |
| S51 | 12 | ((fourier) and ((correlation correlate)) and ((estimate extract) with (harmonic with structure)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 12:19 |
| S52 | 21 | ((correlate correlation) same (acoustic with features)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 12:23 |
| S53 | 13 | ((fourier) and (extract same harmonic same structure)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 12:49 |
| S54 | 29 | ((subband subband sub-band) with (correlation correlate)) and "704". clas. | USPAT | OR | OFF | 2008/09/23 20:51 |
| S55 | 66 | ((subband subband sub-band) with (correlation correlate)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 20:51 |
| S56 | 158 | ((bands) with (correlation correlate)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:30 |
| S57 | 1 | ((bands) with (correlation correlate) with "same" with frame) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:30 |
| S58 | 17 | ((bands) with (correlation correlate) with frame) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:30 |
| S59 | 717 | ((subframes) (correlate) with frame) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:34 |
| S60 | 0 | ((subframes) with (correlate) with frame) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:34 |

| | | | | | | |
|-----|-----|--|-----------------|----|-----|------------------|
| S61 | 5 | ((subframe) with (correlate) with frame) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:34 |
| S62 | 27 | ((subband sub-band) with (correlation correlate) with between) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:37 |
| S63 | 98 | ((band) with (correlation correlate) with between) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:43 |
| S64 | 85 | ((band) with (correlation correlate) with between) and "704".clas. not S62 | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:43 |
| S65 | 23 | ((band) with (correlation correlate) with frame) and "704".clas. not S62 | US-PGPUB; USPAT | OR | OFF | 2008/09/23 21:47 |
| S66 | 6 | ((sub-band subband) with (correlation correlate)) same frame) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 10:13 |
| S67 | 81 | ((correlation correlate) with within with frame) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 10:17 |
| S68 | 154 | ((correlation correlate) with subframe) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 10:20 |
| S69 | 0 | ((correlation correlate) same interframe same subband) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 10:25 |
| S70 | 28 | ((correlation correlate) with subframes with frame) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 10:53 |
| S71 | 2 | ((calculate) with (sub-bands sub-band subbands subband) with frame with "same") and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 13:25 |
| S72 | 3 | ((calculate) with (sub-bands sub-band subbands subband) with frame with "between") and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 13:26 |
| S73 | 55 | ((sub-bands sub-band subbands subband) with frame with "between") and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 13:27 |

| | | | | | | |
|-----|-----|--|-----------------|----|-----|------------------|
| S74 | 254 | ((correlate correlation) with frames with "between") and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 14:17 |
| S75 | 2 | ((correlate correlation) with frames with "between") same subband) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 14:46 |
| S76 | 3 | ((correlate correlation) with frames) same subband) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 14:47 |
| S77 | 254 | ((correlate correlation) with between with frames)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:00 |
| S78 | 2 | ((correlate correlation) with frames with spectra)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:14 |
| S79 | 38 | ((correlate correlation) with (interframe frames) with (spectra spectrum)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:17 |
| S80 | 0 | ((auto-correlation autocorrelation) same (cross-correlation) with (interframe frames) with (spectra spectrum)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:29 |
| S81 | 2 | ((auto-correlation autocorrelation) same (cross-correlation) same (interframe frames) same (spectra spectrum)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:29 |
| S82 | 3 | ((cross-correlation) same (interframe frames) same (spectra spectrum)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:30 |
| S83 | 67 | ((cross-correlation) same (interframe frames)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 15:30 |
| S84 | 0 | ((cross-correlation) with (interframe frame) with spectra) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 16:06 |
| S85 | 1 | ((cross-correlation) with (interframe frame) with spectrums) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 16:06 |
| S86 | 5 | "504285".AP. | US-PGPUB; USPAT | OR | OFF | 2008/09/24 17:01 |

| | | | | | | |
|-----|-----|--|-----------------|----|-----|------------------|
| S87 | 11 | ((acoustic harmonic) adj (structure feature)) same ("signal to noise" SNR) | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:18 |
| S88 | 0 | ((acoustic harmonic) adj (structure feature)) same ("signal to noise" SNR) and "704".clas | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:18 |
| S89 | 51 | ((acoustic harmonic) adj (structure feature)) same ((signal near3 noise) SNR) | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:21 |
| S90 | 543 | (determine) with ((signal near3 noise) SNR) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:27 |
| S91 | 177 | ((determine estimate) with ((signal near3 noise) SNR)) same threshold) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:28 |
| S92 | 1 | ((average adj difference) with ((signal near3 noise) SNR)) same threshold) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:40 |
| S93 | 22 | ((correlation) with ((signal near3 noise) SNR)) same threshold) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:41 |
| S94 | 3 | ((average adj difference) with ((signal near3 noise) SNR))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:41 |
| S95 | 184 | ((correlation) with ((signal near3 noise) SNR))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:43 |
| S96 | 16 | ((correlation) with ((signal near3 noise) SNR)) with determine) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:43 |
| S97 | 184 | ((correlation) with ((signal near3 noise) SNR))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:45 |
| S98 | 13 | ((correlation) with ((signal near3 noise) SNR)) with average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 10:49 |
| S99 | 18 | ((pitch) with ((signal near3 noise) SNR)) same average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:09 |

| | | | | | | |
|------|----|---|--------------------|----|-----|---------------------|
| S100 | 12 | ((pitch) with ((signal near1 noise SNR)) same average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:09 |
| S101 | 6 | ((pitch) with ((signal near1 noise near1 ratio SNR)) same average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:10 |
| S102 | 52 | ((estimate determine) with ((signal near1 noise near1 ratio SNR)) same spectrum) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:11 |
| S103 | 5 | ((average near3 difference) with ((signal near1 noise near1 ratio SNR))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:19 |
| S104 | 9 | ((average near3 difference) same ((signal near1 noise near1 ratio SNR))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:20 |
| S105 | 55 | ((harmonic) same ((signal near1 noise near1 ratio SNR)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 13:23 |
| S106 | 87 | ((component) with ((signal near1 noise near1 ratio SNR)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 14:08 |
| S107 | 6 | ((compute estimate calculate) with ((signal near1 noise near1 ratio SNR)) same harmonic) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:02 |
| S108 | 44 | ((compute estimate calculate) with ((signal near1 noise near1 ratio SNR)) same (feature component pitch)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:19 |
| S109 | 9 | ((compute estimate calculate) with ((signal near1 noise near1 ratio SNR)) same (difference)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:41 |
| S110 | 5 | ((estimation) with ((signal near1 noise near1 ratio SNR)) same (difference)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:43 |

| | | | | | | |
|------|-----|---|-----------------|----|-----|------------------|
| S111 | 4 | ((estimation) with ((signal near1 noise near1 ratio) SNR)) same (correlation)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:44 |
| S112 | 2 | ((estimation) with ((signal near1 noise near1 ratio) SNR)) same (harmonic)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:46 |
| S113 | 3 | ((estimation) with ((signal near1 noise near1 ratio) SNR)) same (compare comparison)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 15:47 |
| S114 | 187 | ((signal near1 noise near1 ratio) SNR) same (compare comparison)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 16:14 |
| S115 | 18 | ((signal near1 noise near1 ratio) SNR) same (compare comparison) same spectrum) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/25 16:19 |
| S116 | 74 | ((signal near1 noise near1 ratio) SNR) with (difference) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 11:23 |
| S117 | 3 | ((((signal near1 noise near1 ratio) SNR) with (difference)) same correlation)and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 11:26 |
| S118 | 162 | ((((signal near1 noise near1 ratio) SNR)) same correlation)and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 11:33 |
| S119 | 3 | ((((signal near1 noise near1 ratio) SNR) with threshold) same correlation)and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 11:33 |
| S120 | 8 | ((((signal near1 noise near1 ratio) SNR)) same (continuity))and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 12:11 |
| S121 | 0 | ((((signal near1 noise near1 ratio) SNR)) same (AMD))and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 12:15 |

| | | | | | | |
|------|------|--|-----------------|----|-----|------------------|
| S122 | 4 | (((((signal near1 noise near1 ratio) SNR)) same (average with magnitude))and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 12:15 |
| S123 | 8613 | (((((signal near1 noise near1 ratio) SNR)) with (above below) threshold) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 13:16 |
| S124 | 58 | (((((signal near1 noise near1 ratio) SNR)) with (above below) with threshold) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 13:20 |
| S125 | 1 | (continuity with non-speech with harmonic) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:31 |
| S126 | 0 | (continuity with "not" with speech with harmonic) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:32 |
| S127 | 0 | (continuity with "not" with speech with feature) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:32 |
| S128 | 3 | (continuity with ("not" with speech)(non-speech)) same (pitch speech feature)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:33 |
| S129 | 1 | (continuity same musical same (pitch speech feature)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:34 |
| S130 | 14 | (distinguish same musical same (pitch speech feature) same speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:34 |
| S131 | 5 | ((consecutive with frames) same (musical music) same speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:36 |
| S132 | 2 | ((frames) same (musical music) same speech same (continuity continuous)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:38 |
| S133 | 8 | ((frames) same (musical music) same speech same (continuity continuous)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:39 |

| | | | | | | |
|------|------|---|--------------------|----|-----|---------------------|
| S134 | 180 | ((period duration) same speech same ((non-speech)("not speech"))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:42 |
| S135 | 35 | ((period duration) same speech same ((non-speech)("not speech"))) and (music musical) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 17:44 |
| S136 | 2292 | ((predetermined time period) same ((non-speech)("not speech") speech voiced)) and (music musical) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 18:09 |
| S137 | 1783 | ((predetermined time period) with ((non-speech)("not speech") speech voiced)) and (music musical) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 18:10 |
| S138 | 88 | ((predetermined time period) with ((non-speech)("not speech") speech voiced) same harmonic) and (music musical) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 18:10 |
| S139 | 176 | ((duration period) with ((non-speech)("not speech") speech voiced) same harmonic) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:16 |
| S140 | 141 | ((duration period) with ((non-speech)("not speech") speech voiced) same harmonic) and "704".clas. not S138 | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:16 |
| S141 | 46 | ((duration) with ((non-speech)("not speech") speech voiced) same harmonic) and "704".clas. not S138 | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:38 |
| S142 | 0 | ((duration) with ((non-speech)("not speech") same harmonic) and "704".clas. not S138 | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:39 |

| | | | | | | |
|------|-----|--|--------------------|----|-----|---------------------|
| S143 | 0 | ((duration time) with ((non-speech)("not speech")) same harmonic) and "704".clas. not S138 | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:39 |
| S144 | 1 | ((duration time) with ((non-speech)("not speech")) same harmonic) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:39 |
| S145 | 17 | ((distinguish) with speech with music) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:42 |
| S146 | 3 | ((("predetermined time period") with speech with music) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:52 |
| S147 | 4 | (determine with music with segment) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:55 |
| S148 | 3 | ((harmonic near2 structure) with continuity) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 19:59 |
| S149 | 1 | ((harmonic near2 structure) with predetermined with time with period) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:00 |
| S150 | 16 | ((harmonic near2 structure) with frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:00 |
| S151 | 0 | ((harmonic near2 structure) with (above greater higher) with threshold with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:04 |
| S152 | 1 | ((harmonic near2 structure) with threshold with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:04 |
| S153 | 20 | (harmonic with threshold with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:05 |
| S154 | 100 | ((peak event) with threshold with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:10 |
| S155 | 1 | ((peak event) with duration with speech with frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:38 |

| | | | | | | |
|------|-----|--|-----------------|----|-----|------------------|
| S156 | 51 | ((peak event) with duration with speech) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:39 |
| S157 | 20 | ((peak event) with consecutive with frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/26 20:41 |
| S158 | 0 | ((((maximum with minimum) with reference with band) same correlation) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:03 |
| S159 | 2 | ((((maximum with minimum) with band) same correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:03 |
| S160 | 4 | ((((maximum same minimum) same band) same correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:04 |
| S161 | 9 | ((((maximum same minimum) same reference) same correlation) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:05 |
| S162 | 3 | ((maximum with minimum) with identify with frequency) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:07 |
| S163 | 4 | ((maximum with minimum) same (identify with frequency) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:08 |
| S164 | 240 | ((maximum with minimum with frequency) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:09 |
| S165 | 36 | ((maximum with minimum with frequency) and subband and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:09 |
| S166 | 1 | ((peak with frequency with identify) and subband and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:10 |
| S167 | 13 | ((peak with frequency with identify) same frequency) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:11 |
| S168 | 0 | ((peak with frequency with identifier)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:24 |

| | | | | | | |
|------|----|---|--------------------|----|-----|---------------------|
| S169 | 0 | ((bin with frequency with identifier)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:24 |
| S170 | 0 | ((bin with identifier)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:24 |
| S171 | 6 | ((bin with identifier)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:24 |
| S172 | 33 | ((band with identifier)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:25 |
| S173 | 0 | ((store with identifier with (subband sub-band))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:28 |
| S174 | 0 | ((ave with identifier with (subband sub-band))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:29 |
| S175 | 0 | ((save with identifier with (subband sub-band))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:29 |
| S176 | 0 | ((note with identifier with (subband sub-band))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:29 |
| S177 | 0 | ((mark with identifier with (subband sub-band))) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:29 |
| S178 | 1 | ("6775629").PN. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 07:31 |
| S179 | 6 | ((((SNR)(signal adj noise adj ratio)) with continuity) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:01 |
| S180 | 9 | ((((SNR)(signal adj noise adj ratio)) with consecutive) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:02 |
| S181 | 18 | ((((SNR)(signal adj noise adj ratio)) same select same (value correlation)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:05 |
| S182 | 9 | ((((SNR)(signal adj noise adj ratio)) same select same (band bin)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:09 |
| S183 | 1 | ((((SNR)(signal adj noise adj ratio)) with select with (band bin)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:22 |

| | | | | | | |
|------|-----|---|--------------------|----|-----|---------------------|
| S184 | 230 | ((((SNR)(signal adj noise adj ratio)) with (band bin)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:23 |
| S185 | 3 | ((((SNR)(signal adj noise adj ratio)) with select with (band bin component value)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:24 |
| S186 | 568 | ((((SNR)(signal adj noise adj ratio)) with (band bin component value)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:25 |
| S187 | 0 | ((((SNR)(signal adj noise adj ratio)) with accept with (band bin)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:26 |
| S188 | 0 | ((((SNR)(signal adj noise adj ratio)) with accept with (band bin value)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:27 |
| S189 | 0 | ((((SNR)(signal adj noise adj ratio)) with disregard with (band bin value)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:27 |
| S190 | 568 | ((((SNR)(signal adj noise adj ratio)) with (band bin value component)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:28 |
| S191 | 0 | ((((SNR)(signal adj noise adj ratio)) with accept with (band bin value component)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:28 |
| S192 | 3 | ((((SNR)(signal adj noise adj ratio)) with select with (band bin value component)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:28 |
| S193 | 105 | ((((SNR)(signal adj noise adj ratio)) with threshold with (band bin value component)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:29 |
| S194 | 4 | ((((SNR)(signal adj noise adj ratio)) with threshold with (component\$1)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:35 |
| S195 | 235 | (frame with length with variable) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:41 |

| | | | | | | |
|------|----|--|-----------------|----|-----|------------------|
| S196 | 0 | (frame with length with variable with samples with advantage) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:42 |
| S197 | 0 | (frame with length with variable with advantage) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:42 |
| S198 | 17 | (frame with length with variable with samples) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 08:42 |
| S199 | 18 | (US-20060053003-\$ or US-20040002856-\$ or US-20030171916-\$ or US-20030023430-\$).did. or (US-4757540-\$ or US-5774837-\$ or US-4833714-\$ or US-6889187-\$ or US-5432862-\$ or US-5461697-\$ or US-6101463-\$ or US-6272460-\$ or US-7215786-\$ or US-5465316-\$ or US-4924517-\$ or US-5890108-\$ or US-5572621-\$ or US-6415253-\$).did. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:29 |
| S200 | 9 | S199 and average | USPAT | OR | OFF | 2008/09/29 09:29 |
| S201 | 5 | S199 and (subtraction subtract subtracted) | USPAT | OR | OFF | 2008/09/29 09:34 |
| S202 | 8 | S199 and (subtraction subtract subtracted) | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:34 |
| S203 | 4 | ((correlate correlation) with (subtraction subtract subtracted) with average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:36 |
| S204 | 74 | ((difference with average) same correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:39 |
| S205 | 36 | ((difference with average) with correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:39 |
| S206 | 4 | ((subtract subtraction subtracted) with average) with correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:52 |

| | | | | | | |
|------|-----|--|--------------------|----|-----|---------------------|
| S207 | 12 | ((subtract subtraction subtracted) with (average averaged mean)) with correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:54 |
| S208 | 12 | ((subtract subtraction subtracted) with (average averaged mean)) with (correlate correlation)) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:54 |
| S209 | 32 | ((standard adj deviation) with correlation) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 09:56 |
| S210 | 0 | ((standard adj deviation) same correlation same frames same predetermined) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:05 |
| S211 | 8 | ((standard adj deviation) same correlation same frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:05 |
| S212 | 16 | ((standard adj deviation) same (correlation peak) same frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:07 |
| S213 | 8 | ((standard adj deviation) same (peak) same frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:07 |
| S214 | 118 | ((standard adj deviation) same frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:16 |
| S215 | 19 | ((standard adj deviation) same frames same predetermined) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:16 |
| S216 | 52 | ((standard adj deviation) with frames) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:21 |
| S217 | 52 | ((standard adj deviation) with component) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:52 |
| S218 | 34 | (mean with difference with component) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/09/29 10:53 |

| | | | | | | |
|------|-----|--|-----------------|----|-----|------------------|
| S219 | 1 | ((((mean average) and (correlation feature structure event) and frames) same (difference subtract subtraction) same (sub-bands subband)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 13:54 |
| S220 | 1 | ((((mean average) with (correlation feature structure event) and frames) same (difference subtract subtraction) same (sub-bands subband)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 13:54 |
| S221 | 51 | ((((mean average) with (correlation feature structure event) and frames) same (difference subtract subtraction)) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 13:55 |
| S222 | 3 | ((((mean average) with (correlation feature structure event)) same frames) and (difference same maximum same minimum same frame) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 14:00 |
| S223 | 0 | ((compare with difference with average) and harmonic) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 14:10 |
| S224 | 1 | ((comparison with difference with average) and harmonic) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 14:10 |
| S225 | 15 | (comparison with difference with average) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 14:12 |
| S226 | 721 | (difference with average) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 14:17 |
| S227 | 6 | (correlation with average with features) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 14:18 |
| S228 | 4 | (subtract with difference with average) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 15:48 |

| | | | | | | |
|------|----|---|-----------------|----|-----|------------------|
| S229 | 4 | (compare with difference with average) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 15:49 |
| S230 | 15 | (comparison with difference with average) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/01 15:50 |
| S231 | 0 | (recognize with speech with segment with determined) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:11 |
| S232 | 2 | (recognize with speech with segment with determined) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:12 |
| S233 | 67 | (recognize with speech with determined) and "704".clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:12 |
| S234 | 59 | (recognize with speech with segment) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:13 |
| S235 | 41 | (record with identified with speech) and "704". clas. | US-PGPUB; USPAT | OR | OFF | 2008/10/06 09:38 |

10/6/2008 11:19:35 AM

C:\Documents and Settings\sgraham2\My Documents\EAST\Workspaces\10542931.wsp